

1. Identification

Product Code **CS5644-52**

Product Name **SODIUM SULPHIDE L.R.**

Molecular Formula $\text{Na}_2\text{S} \cdot x\text{H}_2\text{O}$

CAS Number 1313-82-2

Supplier: **BEECROFT & PARTNERS**

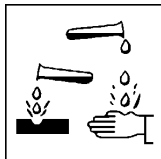
 Northfield Road
 Rotherham
 South Yorkshire

Phone 01709-377881
 Fax 01709-369264

Emergency Telephone 08:30-1700 01709-377881
 24hr 112
 (Have this document to hand)

2. Composition

Component	CAS No	EEC No	Conc w/w	Classification & Risk Phrases	Exp (See 8.1)
Sodium sulphide	1313-82-2	215-211-5	> 59.0%	C N : R31,R34,R50	N/A

3. Hazards Identification

Contact with acids liberates toxic gas. Causes burns. Very toxic to aquatic organisms.

4. First Aid Measures

Eyes Irrigate thoroughly with plenty of water for at least 10 minutes, holding the eye open. OBTAIN MEDICAL ATTENTION.

Skin Wash off skin thoroughly with water. Remove contaminated clothing immediately and wash before re-use. Unless contact has been slight OBTAIN MEDICAL ATTENTION

Inhalation Remove from exposure. If material has reacted with an acid to form, sulphur dioxide, seek immediate medical assistance.

Ingestion Wash out the patients mouth thoroughly with water. OBTAIN MEDICAL ATTENTION.

5. Fire Fighting Measures

Hazards Evacuate area immediately. Keep up wind. Avoid exposure to toxic vapours and fumes. Fire-fighters should wear protective clothing and breathing apparatus. May evolve toxic fumes if involved in a fire.

Extinguishing Media Consider what other flammable materials are present and act accordingly.

Unsuitable Media Nothing specified.

6. Accidental Release Measures

Personal Protection	Evacuate area immediately. If contact with acid is possible, use full protective clothing and breathing apparatus.
Environmental	Keep material out of sewers, storm drains, surface waters and soil. Notify the Environmental Agency and local Environmental Health Officer if major spillage occurs.
Major Spillage	Shovel/sweep up into container for removal Wash area down with copious amounts of water.
Minor Spillage	Wash area down with copious amounts of water.

7. Storage & Handling

Handling Precautions	Avoid contact with skin and eyes. Do not breath dust. Do not allow to contaminate clothing. No specific precautions.
Storage Conditions	Well ventilated, cool, dry storage . Keep well separated from acids.

8.1 Occupational Exposure Limits

No prescribed exposure limits available

8.2 Personal Protection

Respiratory	Use L.E.V. or natural ventilation to reduce dust concentrations to a minimum.
Hands	Wear gloves.
Eyes	Use chemical splash proof glasses or goggles.
Skin	Avoid contact with skin. If skin contact or contamination of clothing is likely, protective clothing must be worn.

9. Physical & Chemical Properties

Appearance	Pale pink solid or flake.
Odour	Characteristic.
pH	13 (5% solution)
Boiling point	Not available
Melting point	1180.0 °C
Flash point	Not available
Upper Flammable Limit	Not available
Lower Flammable Limit	Not available
Auto Ignition	Not available
Explosive properties	No.
Oxidising Properties	No.
Vapour Pressure	Not available
Relative Density	1.8560
Water Solubility	18.6%

10. Stability & Reactivity

Chemical Stability	Stable under normal conditions
Conditions to Avoid	Avoid contact with acids.
Materials to Avoid	Acids.
Hazardous Decomposition Products	In a fire will decompose to emit toxic and irritant fumes of sulphur dioxide.

11. Toxicological Information

Eyes	Contact with the solid or dust may cause burns.
Skin	Contact with the solid or dust may cause burns.
LD50 Skin	Not available

11. Toxicological Information (continued)

Ingest	Ingestion may result in formation of toxic sulphur dioxide.
LD50 Ingest	Not available
Inhalation	Presents no significant health hazard by inhalation.
Carcinogenicity	Not considered to be a carcinogen.
Mutagenicity	Not considered to be a mutagen.
Reproductive Effects	None identified.

12. Ecological

Data for soluble sulphides in general: Toxic to aquatic organisms : LD₅₀ for fish 3mg/l.
Toxic hydrogen sulphide may form even in dilute acidic environments. Very toxic to aquatic organisms.

13. Disposal Considerations

Disposal Methods	Do not dispose of as domestic waste.
Contaminated Packaging	Wash out containers with water.

14. Transport Information

Proper Shipping Name	SODIUM SULPHIDE, ANHYDROUS
UN Number	1385
UN Classification	4.2 Spontaneously combustible
Subsidiary Risk	None
Flash Point	Not available
Packing Group	II
Marine pollutant	No
ADR Hazard ID	40

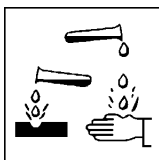


15. Regulatory Information

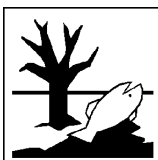
Labelling	Corrosive, Dangerous for the Environment.
Classification	

Label Symbols

C



N



Risk & safety Phrases	Contact with acids liberates toxic gas. Causes burns. Very toxic to aquatic organisms. Keep locked up and out of reach of children. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. In case of accident or if you feel unwell, seek medical advice immediately (show the label). Avoid release to the environment, refer to special instructions/safety data sheet.
-----------------------	---

EEC Number	215-211-5
------------	-----------

16. Other Information

Document Information	This document has been prepared in accordance with directive 88/379/EEC.
----------------------	--

The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment.

Revision Date: 19/11/03.

Data reviewed and PDF file generated: 07/06/04.

Copyright 2004 Beecroft & Partners.